

SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime
and Inland Water Research | Bioeconomy | KET-Biotechnology |

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Session 1: Sustainable Food Security

Implementation of innovative mobile installation for feed production to ensure the maximum use of plant resources and improve animal welfare

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#BioBrokerage

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- Company: ARMsort
- Type of organization: SME
- Country: Poland

Possible topic to participate in:

SFS-08-2018-2019: Improving animal welfare

Keywords: innovative mobile complex, high digestibility, ecologically safe and resource-efficient processing, intellectual feeding, improving animal ration, management of animal welfare, welfare-friendly products, high productivity.

Project idea



The project idea is to deploy, design, research and study the technical and technological solution of a mobile installation for thermal, radiation and pressure-thermal treatment of plant raw materials ensuring maximum use of plant resources, improving animal welfare, raising animal productivity and contributing to the resource-efficient agriculture.

The technological solution needs to solve simultaneously 2 directions:

- provide healthy, sterile, highly digestible feed for animals decreasing feed consumption volume and costs on grain and legumes cultivation and processing along with increasing animal productivity;
- reduce animal wastes on farms in order to ensure hygiene and liquidate negative influence on animal welfare and eco-system.

Project objective



The project objective is to implement and study technological decision providing **universal, ecologically safe and resource-efficient processing of grain and legumes** into highly digestible feed for animals, which due to increased assimilability allows to:

- apply into diet less resources than usual portion;
- produce less animal wastes;
- decrease animal gastrointestinal diseases;
- raise cleanness on farms;
- cut grain consumption and costs;
- raise animal productivity.

Company's expertise



ARMsort is a member of companies network involved in the production of soybeans. It is the company-owner of the patents on 6 soybean varieties that are registered in the Russian Federation.

ARMsort encourages to cooperate partners in order to implement mobile installation fostering and developing the intellectual feeding of animals and changing the form of farm management to hygienic and resource-effective.

We are looking for:

Scientific institutes, laboratories and any relevant partners able to evaluate the importance of technological solution, estimate the digestibility of output product, research the influence of output product on animals welfare, behavior and productivity, evaluate the impact of technological decision on environment, create a new ecological dietary ration for animals, study impact of installation on air pollution and others.